

SUBSTITUTE FORM PTO-1449  
(MODIFIED)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
01568-010001

SERIAL NO.

09/413,222

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

APPLICANT  
Mark W. Miles

FILING DATE  
October 5, 1999

GROUP

2873

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HD	AA	5	8	3	5	2	5	5	11/10/98	Miles	359	291	
	AB	5	6	4	1	3	9	1	6/24/97	Hunter et al.	205	80	
	AC	4	9	3	7	4	9	6	6/26/90	Neiger et al.	313	632	
	AD	5	0	7	8	4	7	9	1/07/92	Vuilleumier	359	290	
	AE	5	7	8	4	1	9	0	7/21/98	Worley	359	291	
HD	AF	5	6	3	8	9	4	6	6/17/97	Zavracky	200	181	
	AG												
	AH												
	AI												
	AJ												

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK							
	AL							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AQ	U.S. Application Serial No. 08/554,630, filed November 6, 1995.
	AR	U.S. Application Serial No. 08/744,253, filed November 5, 1996.
	AS	U.S. Application Serial No. 08/769,947, filed December 19, 1996.
	AT	U.S. Application Serial No. 09/056,975, filed April 8, 1998.
	AU	U.S. Application Serial No. 08/688,710, filed July 31, 1996.
HD	AV	Nagami et al., "Plastic Cell Architecture: Towards Reconfigurable Computing For General-Purpose", IEEE, 0-8186-8900-5/98, pp. 68-77.
HD	AX	Kim et al., "Contro of Optical Transmission Through Metals Perforated With Subwavelength Hole Arrays", Optic Letters, Vol. 24, No. 4, February 15, 1999, pp. 256-257.

These are not  
prior arts

EXAMINER

HD

DATE CONSIDERED

8/01

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

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	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BL							
	BM							
	BN							
	BO							
	BP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

HD	BQ	Joannopoulos et al., <u>Photonic Crystals</u> , "Molding the Flow of Light", copyright 1995.
HD	BR	Little et al., "Vertically Coupled Microring Resonator Channel Dropping Filter", IEEE Photonics Technology Letters, Vol. 11, No. 2, 1999.
HD	BS	Fan et al., "Channel Drop Filters in Photonic Crystals", Optics Express, Vol. 3, No. 1, 1998.
HD	BT	Zhou et al., "Waveguide Panel Display Using Electromechanical Spatial Modulators" SID Digest, Vol. XXIX, 1998.

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
01568-010001

SERIAL NO.

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
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Mark W. MilesFILING DATE  
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(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CL							
	CM							
	CN							
	CO							
	CP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

HD	CQ	Lin et al., "Free-Space Micromachined Optical Switches for Optical Networking", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 1, Jan/Feb. 1999, pp. 4-9.
HD	CR	Giles et al., "A Silicon MEMS Optical Switch Attenuator and Its use in Lightwave Subsystems", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 1, Jan/Feb., 1999, pp. 18-25.
HD	CS	Magel, "Integrated Optic Devices Using Micromachined Metal Membranes", SPIE Vol. 2686, 0-8194-2060-3/1996.

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Sheet 1 of 1

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01568-010001	Application No. 09/413,222
	Applicant Mark W. Miles		
	Filing Date October 5, 1999	Group Art Unit 2873	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
HD	AA	5,638,084	6/10/97	Kalt	345	31	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
HD	AQ	"Science and Technology", The Economist, May 22, 1999, pp. 89-90.

Examiner Signature HD	Date Considered 8/01
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	